ORDER NO. SD7909-1622

Service Manual

Turntable System

SL-1200MK2

(XG), (XA), (XGB)
(XAL), (E)

* The model SL-1200MK2 (XG) is available in European only.
* The model SL-1200MK2 (XA) is available in Asia, Latin America, Middle East and Africa only.
* The model SL-1200MK2 (XGB) is available in Belgium only.
* The model SL-1200MK2 (XAL) is available in Australia only.
* The model SL-1200MK2 (E) is available in Scandinavia only.

SPECIFICATIONS

(Specifications subject to change without notice. Weight and dimensions shown are approximate.)

General

Power supply:	~110–120/220–240, 50 or 60 Hz
Power consumption:	13.5 W
Dimensions: (W x H x D)	45.3 x 16.2 x 36 cm (17-27/32" x 6-19/64" x 14-11/64")
Weight:	12.5 kg (27.6 lb)

Turntable section

Type:	Quartz direct drive Manual turntable
Drive method:	Direct drive
Motor:	Brushless DC motor
Turntable platter:	Aluminum diecast Diameter 33.2 cm (13-5/64") Weight 2 kg (4.4 lb)
Turntable speeds:	33-1/3 rpm and 45 rpm
Starting torque:	1.5 kg.cm (1.3 lb .in)
Build-up characteristics:	0.7 s. from standstill to 33-1/3 rpm
Braking system:	Electronic brake
Wow and flutter:	0.01% WRMS* 0.025% WRMS (JIS C5521) ±0.035% peak (IEC 98A Weighted)

* This rating refers to turntable assembly alone, excluding effects of record, cartridge or tonearm, but including platter. Measured by obtaining signal from built-in frequency generator of motor assembly.

Rumble:	–56 dB (IEC 98A Unweighted) –78 dB (IEC 98A Weighted)

Tonearm section

Type:	Universal
Effective length:	230 mm(9-1/16")
Arm height adjustment range:	0–6 mm
Overhang:	15 mm (19/32")
Effective mass:	12 g (without cartridge)
Offset angle:	22°
Friction:	Less than 7 mg (lateral, vertical)
Tracking error angle:	Within 2°32' (at the outer groove of 30 cm (12") record
Stylus pressure	Within 0°32' (at the inner groove of 30 cm (12") record
adjustment range:	0–2.5 g
Applicable cartridge weight range:	6–10 g 13.5–17.5 g (including headshell)
(with auxiliary weight):	9.5–13 g 17–20.5 g (including headshell)
(with shell weight)	3.5–6.5 g 11–14 g (including headshell)
Headshell weight:	7.5 g

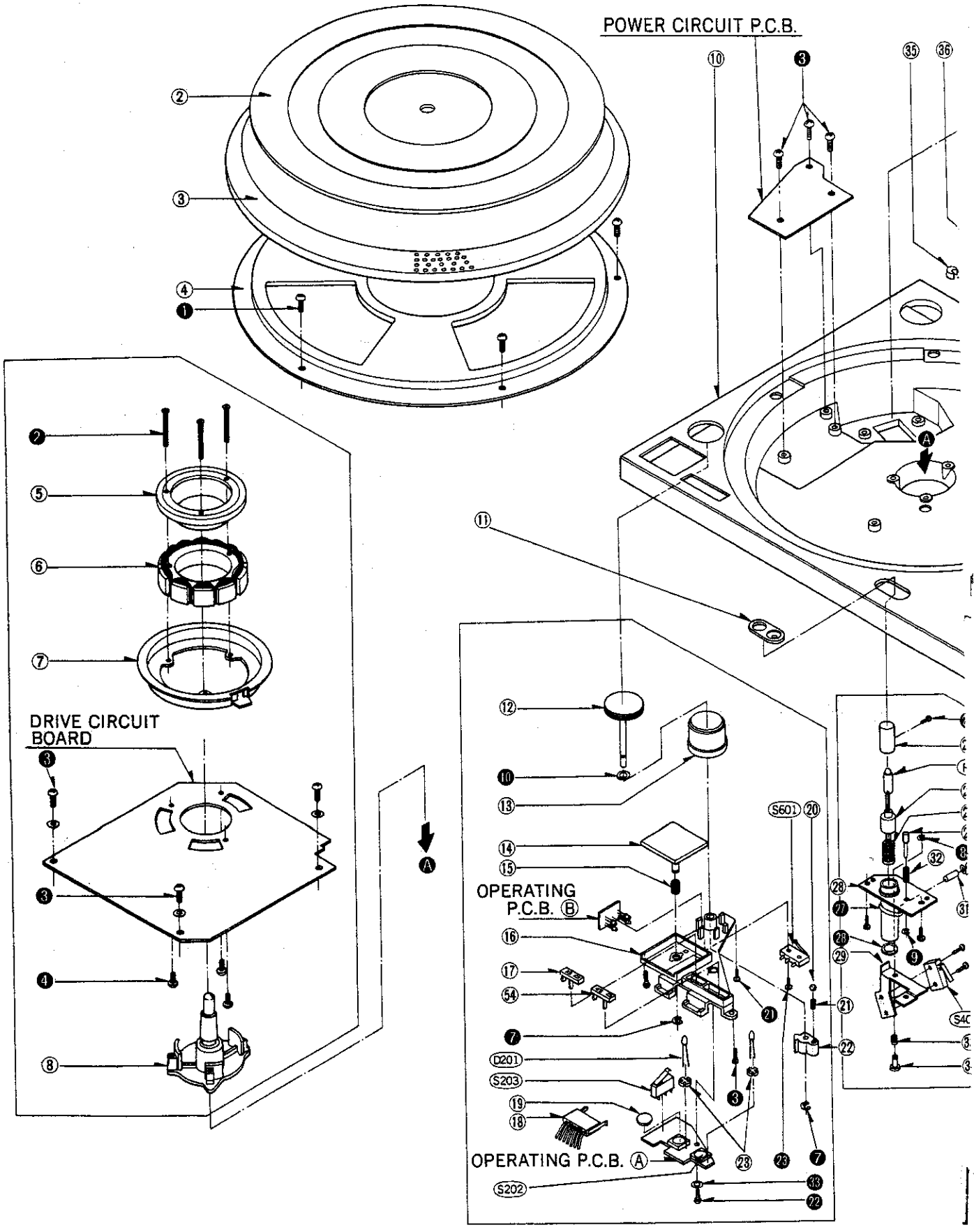
Cartridge section

Model No.	EPC-207C
Type:	Moving magnet
Frequency response:	20 Hz to 25 kHz 20 Hz to 15 kHz ±2 dB
Output voltage:	3 mV at 1 kHz 5 cm/s, zero to peak lateral velocity [8.5 mV at 1 kHz 10 cm/s, zero to peak 45° velocity (DIN 45500)]
Channel separation:	25 dB at 1 kHz
Channel balance:	Within 2 dB at 1 kHz
Compliance (dynamic):	10 x 10^6 cm/dyne at 100Hz
Stylus pressure:	1.75 ±0.25 g (17.5 ±2.5 mN)
Load impedance:	47 kΩ to 100 kΩ
Weight:	5.6 g (cartridge only)
Replacement stylus:	EPS-207ED (Elliptical stylus)

Technics

Matsushita Electric Trading C
P.O. Box 288, Central Or

■ EXPLODED VIEWS



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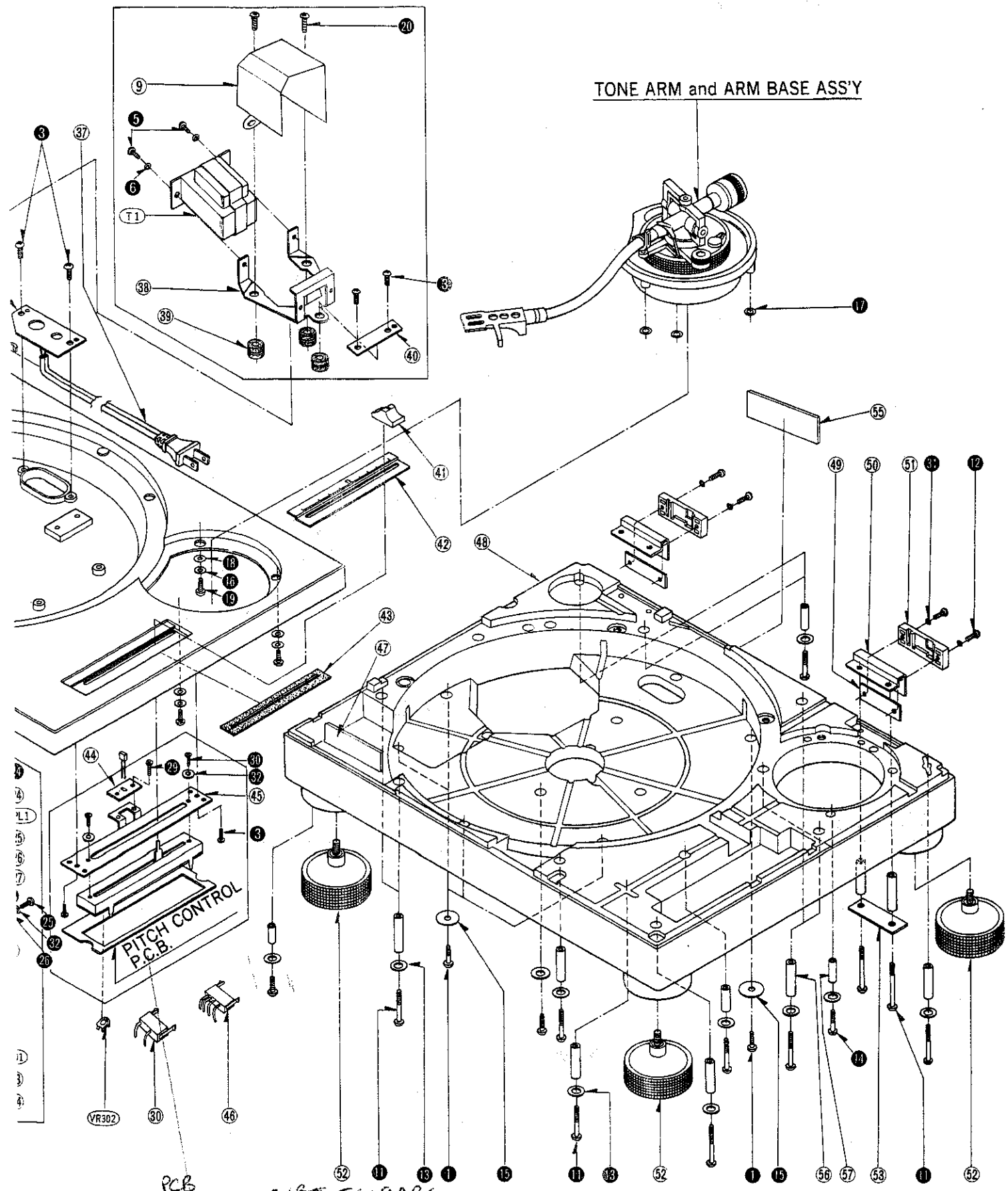

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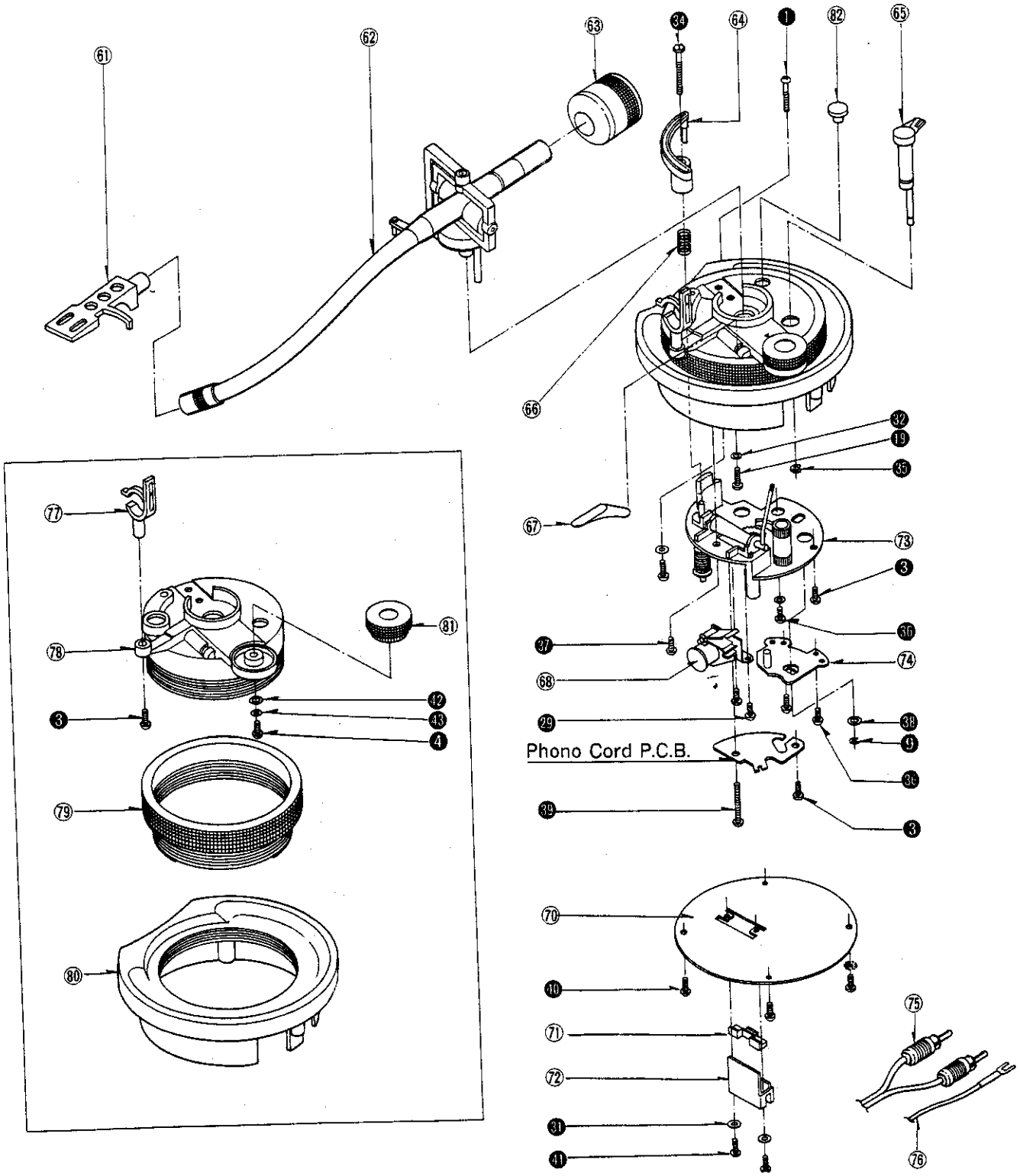

SL-1200

■ REPLACEMENT PARTS LIST (Mechanical)

Notes: 1. Part numbers are indicated on most mechanical parts.
Please use this number for parts orders.
2. ⚠ indicates that only parts specified by manufacturer be used for safety.
3. SL-1200MK2 (XG) ⟶ [XG], SL-1200MK2 (XA) ⟶ [XA], SL-1200MK2(XGB) ⟶ [XGB]
SL-1200MK2 (XAL) ⟶ [XAL], SL-1200MK2 (E) ⟶ [E]

Ref. No.		Part No.	Part Name & Description
CABINET and CHASSIS PARTS			
1		SFAD122-01A	Dust Cover
2		SFTG172-01	Turntable Mat
3		SFTE172-01Z	Turntable
4		SFUM172-05	Cover, Turntable
5		SFMGQ20-01	Cover, Stater Frame Ass'y
6		SFMG520-31A	Stater Frame
7		SFMZ172-01E	FG Detector Coil Ass'y
8		SFMZQ20-01A	Shaft, Stater Frame Ass'y
9		SFUP122-12	Plate, Shield
10		SFAC122-01	Cabinet
11		SFUM172-04	Ornament, Stylus-illuminator
12		SFKT122-01	Knob, Power Switch
13		SFKK122-01E	Case, Strobe-illuminator
14		SFKT015-06	Knob, Start/Stop Switch
15		SFQA122-01	Spring, Start/Stop Knob
16		SFUM122-01	Base, Operation
17		SFKT015-01E	Knob, Speed Selector (33-1/3 r.p.m.)
18		SFDJ122-02E	Connector, 7-PIN
19		SFGZ122-01	Spacer, Rubber (Speed Selector)
20		SFYB5-32	Ball, Switch Cam
21		SFQA520-01	Spring, Switch Cam
22		SFUM122-03	Cam, Switch
23		SFUM015-11	Spacer, LED
24		SFKK172-01	Cover, Lamp
25		SFXB122-02	Boss, Drive
26		SFQA172-01	Spring, Drive Boss
27		SFXJ172-01	Pin, Lock Canceler
28		SFUP122-02E	Bracket, Stylus-illuminator
29		SFUP122-03	Plate, Lock OPeration
30		SFDJ122-03E	Connector, 3-PIN
31		SFXO172-01	Pin, Guide
32		SFQA520-01	Spring, Lock Canceler Pin
33		SFQA001-02	Spring, Lock Operating Plate M'tg
34		SFXJ172-05	Pin, Lock Operating Plate M'tg
35 except [XAL]		SFSR4N4	Clamper, AC Cord
35 [XAL] only		SFHK040L	Clamper, AC Cord
36 except [XAL]		SFUP025X01	Bracket, AC Cord
36 [XAL] only		SFUP025-01	Bracket, AC Cord
37 except [XAL]	⚠	RJA23ZC	AC Cord
37 [XAL] only	⚠	QFC1208M	AC, Cord
38		SFUP132-03	Bracket, Power Transformer
39		SFGC122-01	Cushion, Power Transformer
40		SFUP122-10	Spacer, Power Transformer
41		SFKT122-02	Knob, Pitch Control Volume
42		SFKK122-03	Ornament, Pitch Control Volume
43		SFUZ122-01	Shading Cloth, Pitch Control Volume
44		SFUP122-09	Holder, LED
45		SFUP122-01	Bracket, Pitch Control Volume
46		SFDJ122-01E	Connector, 4-PIN
47		SFUP122-13	Supporter, Bottom Base
48		SFAU122-01	Base, Bottom
49		SFUP122-05	Supporter (A), Hinge
50		SFUP122-04	Supporter (B), Hinge
51		SFUM170-07	Case, Hinge
52		SFGC122-01E	Audio Insulator
53		SFUP122-06	Supporter (C), Hinge
54		SFKT015-02E	Knob, Speed Selector (45 r.p.m)
55 [XG, XA, XGB]		SFNN122N01	Name Plate
55 [XAL]		SFNN122L01	Name Plate
55 [E]		SFNN122S01	Instruction Book
56		SFXO122-01	Pipe (A)
57		SFXO122-02	Pipe (B)
58		SFAT122-01A	Hinge Ass'y
TONE ARM and ARM BASE			
61		SFPCC31001K	Head Shell
62		SFPAM18201K	Tone Arm Ass'y P-AM1820IK
63		SFPWG17201K	Balance Weight Ass'y
64		SFPRT18201K	Lift Ass'y
65		SFPZB17202	Knob, Arm Base Lock
66		SFQA829-03	Spring, Lift Ass'y
67		SFPAB13202	Knob, Arm Lift
68		SFPJL18202K	Oil Damper
70		SFPZB12203	Plate, Arm Base Cover
71		SFUM170-06	Spacer, Phono Cord
72		SFPZB12204	Clamper, Phono Cord
73		SFPAB18201K	Tone Arm Fixing Plate Ass'y
74		SFPZB12201K	Plate, Position Fix
75		SFDH028-01	Phono Cord
76		SFEL028-01E	Ground Wire
77		SFPRT17201K	Arm Rest
78		SFPKD17203	Arm Base
79		SFPKB17201S	Ring, Arm Base Operation
80		SFPKD12201	Bracket, Arm Base
81		SFPAB17206	Knob, Anti-skate Force Control
82		SFGK132-01	Cap, Rubber
SCREWS, WASHERS and CIRCLIPS			
❶		**XTN3+8BFZ**	Screw
❷		SFXGQ20-02	Screw
❸		**XTN3+8B**	Screw
❹		**XTN26+6B**	Screw
❺		**XTN4+10B**	Screw
❻		**XWA4B**	Washer
❼		**XUC3FT**	Circlip
❽		**XUC2FT**	Circlip
❾		**XUC25FT**	Circlip
❿		SFXW910J02	Washer
●		**XTN3+40BFZ**	Screw
●		**XSN3+10BVS**	Screw
●		XWE3F12FZ	Washer
●		**XTN3+25BFZ**	Screw
●		SFXW122-01	Washer
●		**XWE3E10**	Washer
●		SFPEW1100	Washer
●		SFPEW11003	Washer
●		**XSN3+8S**	Screw
●		SFXG132-01	Screw
●		**XTV3+8BFN**	Screw
●		**XTN3+10B**	Screw
●		**XTN2+10B**	Screw
●		XSN17+3FY	Screw
●		**XSN3+14S**	Screw
●		SFXW172-04	Washer
●		XUB14FT	Circlip
●		SFUZ172-05	O Ring
●		**XTN3+6B**	Screw
●		**XSN3+6S**	Screw
●		**XWA3BFZ**	Washer
●		**XWA3B**	Washer
●		**XWG3**	Washer
●		SFXG829-1	Screw
●		**XUC5FT**	Circlip
●		**XTW3+6B**	Screw
●		**XTV3+6BFN**	Screw
●		**XWE4A10EW**	Washer
●		**XTN3+25B**	Screw
●		XYN3+C6FZS	Screw
●		**XSN3+12BVS**	Screw
●		SFPEW17201	Washer
●		XWG26	Washer
ACCESSORIES CARTRIDGE EPE-H25			
A1 except [E]		SFNU122X01	Instruction Book
A1 [E] only		SFNU122S01	Instruction Book
A2		SFWE010	Adaptor, 45 r.p.m.
A3		SFPEN3302	Nut, Cartridge
A4		SFPEW9601	Washer, Cartridge
A5		SFCZV8801	Screw, Cartridge
A6		SFPEV9801	Screw, Cartridge
A7		SFKO135-01	Overhang Gauge
A8		SFPZB3501	Shell Weight
A9 [XA] only		SFDKI19118	Plug, 2-PIN
PACKINGS STYLUS EP-525CS			
P1		SFHP122M01	Carton
P2		SFHH122-01	Pad, Front
P3		SFHH122-02	Pad, Rear
P4		SFHD122-01	Pad, Top
P5		SFHD122-02	Pad, (A), Turntable
P6		SFHD122-03	Pad, (B), Turntable
P7		SFYH60X60	Polyethylene Cover, Turntable Unit and Dust Cover
P8		SFYH40X45	Polyehtylene Cover, Turntable

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6		SFMG520-31A	Stater Frame
7		SFMZ172-01E	FG Detector Coil Ass'y
8		SFMZQ20-01A	Shaft, Stater Frame Ass'y
9		SFUP122-12	Plate, Shield
10		SFAC124S01	Cabinet
11		SFUM172-04	Ornament, Stylus-illuminator
12		SFKT122-01	Knob, Power Switch
13		SFKK122-01E	Case, Strobe-illuminator
14		SFKT015-06	Knob, Start/Stop Switch
15		SFQA122-01	Spring, Start/Stop Knob
16		SFUM122-01	Base, Operation
17		SFKT015-01E	Knob, Speed Selector (33-1/3 r.p.m.)
18		SFDJ122-02E	Connector, 7-PIN
19		SFGZ122-01	Spacer, Rubber (Speed Selector)
20		SFYB5-32	Ball, Switch Cam
21		SFQA520-01	Spring, Switch Cam
22		SFUM122-03	Cam, Switch
23		SFUM015-11	Spacer, LED
24		SFKK172-01	Cover, Lamp
25		SFXB122-02	Boss, Drive
26		SFQA172-01	Spring, Drive Boss
27		SFXJ172-01	Pin, Lock Canceler
28		SFUP122-02E	Bracket, Stylus-illuminator
29		SFUP122-03	Plate, Lock OPeration
30		SFDJ122-03E	Connector, 3-PIN
31		SFXO172-01	Pin, Guide
32		SFQA520-01	Spring, Lock Canceler Pin
33		SFQA001-02	Spring, Lock Operating Plate M'tg
34		SFXJ172-05	Pin, Lock Operating Plate M'tg
35		SFSR4N4	Clamper, AC Cord
36		SFUP025X01	Bracket, AC Cord
37	⚠	SJA88	AC Cord
38		SFUP132-03	Bracket, Power Transformer
39		SFGC122-01	Cushion, Power Transformer
40		SFUP122-10	Spacer, Power Transformer
41		SFKT122-02	Knob, Pitch Control Volume
42		SFKK124S01	Ornament, Pitch Control Volume
43		SFUZ122-01	Shading Cloth, Pitch Control Volume
44		SFUP122-09	Holder, LED
45		SFUP122-01	Bracket, Pitch Control Volume
46		SFDJ122-01E	Connector, 4-PIN
47		SFUP122-13	Supporter, Bottom Base
48		SFAU122-01	Base, Bottom
49		SFUP122-05	Supporter (A), Hinge
50		SFUP122-04	Supporter (B), Hinge
51		SFUM170-07	Case, Hinge
52		SFGC122-02E	Audio Insulator
53		SFUP122-06	Supporter (C), Hinge
54		SFKT015-02E	Knob, Speed Selector (45 r.p.m)
55 [XG]		SFNN124Q01	Name Plate
55 [E]		SFNN124S01	Name Plate
56		SFXO122-01	Pipe (A)
57		SFXO122-02	Pipe (B)
58		SFAT122-01A	Hinge Ass'y
TONE ARM and ARM BASE			
61		SFPCC31001K	Head Shell
62		SFPAM18202K	Tone Arm Ass'y
63		SFPWG17201K	Balance Weight Ass'y
64		SFPRT18201K	Lift Ass'y
65		SFPZB17202	Knob, Arm Base Lock
66		SFQA829-03	Spring, Lift Ass'y
67		SFPAB13202	Knob, Arm Lift
68		SFPJL18202K	Oil Damper
70		SFPZB12203	Plate, Arm Base Cover
71		SFUM170-06	Spacer, Phono Cord
72		SFPZB12204	Clamper, Phono Cord
73		SFPAB18201K	Tone Arm Fixing Plate Ass'y

Ref. No.		Part No.	Part Name & Description
74		SFPZB12201K	Plate, Position Fix
75 RCA cable		SFDH028-01	Phono Cord – SFDH122-05
76		SFEL028-01E	Ground Wire
77		SFPRT17201K	Arm Rest
78		SFPKD17203	Arm Base
79		SFPKB17201S	Ring, Arm Base Operation
80		SFPKD12201	Bracket, Arm Base
81		SFPAB17206	Knob, Anti-skate Force Control
82		SFGK133S01	Cap, Rubber
SCREWS, WASHERS and CIRCLIPS			
❶		**XTN3+8BFZ**	Screw
❷		SFXGQ20-02	Screw
❸		**XTN3+8B**	Screw
❹		**XTN26+6B**	Screw
❺		**XTN4+10B**	Screw
❻		**XWA4B**	Washer
❼		**XUC3FT**	Circlip
❽		**XUC2FT**	Circlip
❾		**XUC25FT**	Circlip
❿		SFXW910J02	Washer
⓫		**XTN3+40BFZ**	Screw
⓬		**XSN3+10BVS**	Screw
⓭		XWE3F12FZ	Washer
⓮		**XTN3+25BFZ**	Screw
⓯		SFXW122-01	Washer
⓰		**XWE3E10**	Washer
⓱		SFPEW1100	Washer
⓲		SFPEW11003	Washer
⓳		**XSN3+8S**	Screw
⓴		SFXG172-01	Screw
㉑		**XTV3+8BFN**	Screw
㉒		**XTN3+10B**	Screw
㉓		**XTN2+10B**	Screw
㉔		XSN17+3FY	Screw
㉕		**XSN3+14S**	Screw
㉖		SFXW172-04	Washer
㉗		XUB14FT	Circlip
㉘		SFUZ172-05	O Ring
㉙		**XTN3+6B**	Screw
㉚		**XSN3+6S**	Screw
㉛		**XWA3BFZ**	Washer
㉜		**XWA3B**	Washer
㉝		**XWG3**	Washer
㉞		SFXG829-1	Screw
㉟		**XUC5FT**	Circlip
㊱		**XTW3+6B**	Screw
㊲		**XTV3+6BFN**	Screw
㊳		**XWE4A10EW**	Washer
㊴		**XTN3+25B**	Screw
㊵		XYN3+C6FZS	Screw
㊶		**XSN3+12BVS**	Screw
㊷		SFPEW17201	Washer
㊸		XWG26	Washer
ACCESSORIES			
A1[XG]		SFNU122X01	Instruction Book
A1[E]		SFNU122S01	Instruction Book
A2		SFWE010	Adaptor, 45 r.p.m.
A3		SFPEN3302	Nut, Cartridge
A4		SFPEW9601	Washer, Cartridge
A5		SFCZV8801	Screw, Cartridge
A6		SFPEV9801	Screw, Cartridge
A7		SFKO135-01	Overhang Gauge
A8		SFPZB3501	Shell Weight
PACKINGS			
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P5		SFHD122-02	Pad, (A), Turntable
P6		SFHD122-03	Pad, (B), Turntable
P7		SFYH60X60	Polyethylene Cover, Turntable Unit and Dust Cover
P8		SFYH40X45	Polyehtylene Cover, Turntable

Printed in Japan
80073350 A A.M